

Nat'l. Stage of PCT/JP2004/004800
Preliminary Amendment

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (currently amended): A lithium secondary battery negative-electrode component material, formed by laminating onto a substrate a metallic lithium film and an inorganic solid-electrolyte film, ~~the lithium secondary battery negative-electrode component material characterized in that~~ the said inorganic solid-electrolyte film ~~incorporates~~ incorporating lithium, phosphorous, sulfur, and oxygen, and is in a composition represented by the following compositional formula:



(Li: lithium; P: phosphorous; S: sulfur; O: oxygen), wherein the ranges of the atomic fractions in the composition are:

$$0.20 \leq a \leq 0.45;$$

$$0.10 \leq b \leq 0.20;$$

$$0.35 \leq c \leq 0.60;$$

$$0.03 \leq d \leq 0.13;$$

$$(a + b + c + d = 1).$$

Claim 2 (currently amended): The lithium secondary battery negative-electrode component material set forth in claim 1, ~~characterized in that~~ wherein the metallic lithium film incorporates oxygen, and the in an amount of oxygen incorporated that is 1 atomic % or more, but 10 atomic % or less.

Claim 3 (currently amended): The lithium secondary battery negative-electrode component material set forth in claim 1 ~~or 2, characterized in that,~~ wherein the metallic lithium film is present with oxygen content in the interface between the metallic lithium film and the inorganic solid-electrolyte film being 1 atomic % or more, but 10 atomic % or less.

Claim 4 (currently amended): A method of manufacturing the lithium secondary battery negative-electrode component material set forth in ~~any of claims claim 1 through 3,~~ the method of manufacturing the lithium secondary battery negative-electrode component material characterized in comprising forming the metallic lithium film and the inorganic solid-electrolyte film by a vapor deposition method, ~~the vapor deposition method being selected from~~ vacuum deposition, ion plating, sputtering, ~~or~~ and laser ablation.

Claim 5 (currently amended): A lithium secondary battery characterized ~~in employing~~ comprising the lithium secondary battery negative-electrode component material set forth in ~~any of claims 1 through 3~~ claim 1.